# Refine Search

#### Search Results -

Terms	Documents	
L15 and L20	3	

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L21

Database:

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Recall Text 👄	Clear	Interrupt

### Search History

## DATE: Thursday, May 13, 2004 Printable Copy Create Case

Set Name side by sid		Hit Count S	et Name result set
DB=Pe	GPB,USPT,USOC,EPAB,DWPI; PLUR=YES; OP=ADJ		
<u>L21</u>	115 and L20	3	<u>L21</u>
<u>L20</u>	removable drill bit or retrievable drill bit	71	<u>L20</u>
<u>L19</u>	115 and 117	20	<u>L19</u>
<u>L18</u>	18 and L17	7	<u>L18</u>
<u>L17</u>	drilling and expandable tubular and casing	215	<u>L17</u>
<u>L16</u>	drill bit and removable and L15	28	<u>L16</u>
<u>L15</u>	drill string and L14	136	<u>L15</u>
<u>L14</u>	valve and L13	308	<u>L14</u>
<u>L13</u>	casing drilling	727	<u>L13</u>
DB=U	SPT; PLUR=YES; OP=ADJ		
<u>L12</u>	stabilizer and 110	91	<u>L12</u>
<u>L11</u>	16 and L10	1	<u>L11</u>
<u>L10</u>	175/\$.ccls. and 15	459	<u>L10</u>
<u>L9</u>	l6 and L8	8	<u>L9</u>

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<u>L8</u>	logging or sensor or telemetry or monitoring	547870	<u>L8</u>
<u>L7</u>	15 and L6	1	<u>L7</u>
<u>L6</u>	removable drill bit or removable cutter or removable boring element	205	<u>L6</u>
<u>L5</u>	drill string and L4	865	<u>L5</u>
<u>L4</u>	12 and L3	2122	<u>L4</u>

#### END OF SEARCH HISTORY

valve or float collar

casing drilling or drilling with casing

6397946.pn. or 6263987.pn. or 5894897.pn. or 5551521.pn.

<u>L3</u>

<u>L2</u>

Ll

<u>L3</u>

<u>L2</u>

<u>L1</u>

493335

4956